

**ABSTRACT**

5        Systems and methods convey a closure material into  
a catheter to seal a puncture site in a blood vessel. The  
closure material comprises a mixture of first and second  
components which, upon mixing, undergo a reaction to form a  
solid closure material composition. The systems and methods  
assure ease of delivery and effective mixing of the  
components to create an in situ barrier at the puncture  
site.